

# Notice of Allowability

Application No.

10/606,154

Examiner

Agustin Bello

Applicant(s)

FUKUOKA, TAKASHI

Art Unit

2613

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 12/18/06.
2. ☒ The allowed claim(s) is/are 1,2 and 4-7.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

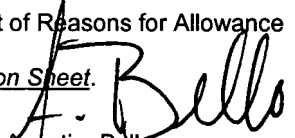
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other See Continuation Sheet.

  
Agustin Bello  
Primary Examiner  
Art Unit: 2613

Continuation of Attachment(s) 9. Other: an amendment to the specification changing page 4 line 9 to read "Figures from 5A to 5D".

### BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 shows an optical communication system;

Figure 2 is a block diagram of an optical receiver according to the  
5 present invention;

Figure 3 shows a first embodiment of the filter circuit according to the  
present invention;

Figure 4 is a block diagram of the control signal generator;

*Please  
Amend  
to  
"5D"  
read*

10 Figures from 5A to 5B show frequency responses of the signal light  
transmitted through the optical fiber taking the effect of the laser chirping,  
which is calculated from the line width enhancement factor, into account;

Figure 6 shows a calculated frequency characteristic of the filter  
according to the first embodiment;

Figure 7 is a measured frequency characteristic of the filter;

15 Figure 8 is a monitored waveform of the optical signal;

Figure 9 is a monitored waveform of the output signal without the filter  
of the present invention;

Figure 10 is a monitored waveform of the output signal with the filter;

Figure 11 is a second embodiment of the filter circuit;

20 Figure 12 shows frequency responses of the filter of the second  
embodiment with the inductance as a parameter; and

Figure 13 is an embodiment to change the inductance dynamically.

### DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

25 Preferred embodiments of the present invention will be described in  
detail as referring to drawings.